Technical Documentation

Utility Software for Hand-held Analyzers BZ-5503

Installation Manual

Important:
Install BZ-5503 on the PC before connecting Type 2250 to the PC

Brüel & Kjær

English BR 1694 – 14

Utility Software for Hand-held Analyzers BZ-5503

Installation Manual

BR 1694 – 14

May 2006

Trademarks

Microsoft and **Windows** are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Pentium is a registered trademark of Intel Corporation or its subsidiaries and/or other countries.

Copyright © 2004 – 2006, Brüel & Kjær Sound & Vibration Measurement A/S

All rights reserved. No part of this publication may be reproduced or distributed in any form, or by any means, without prior written consent from Brüel & Kjær Sound & Vibration Measurement A/S, Nærum, Denmark

Contents

CHAPTER 1
Installation 1
System Requirements 1
Recommended PC 1
Operating System 1
Accessories 1
Installation Process 1
a) Install BZ-5503 2
b) Install Driver for USB Connection 5
c) Install USB Driver for Type 2250 with Earlier Software 7
d) Upgrade of Type 2250 Software 13

Chapter 1

Installation

System Requirements

Recommended PC

Pentium® III (or equivalent) processor, 256 MB RAM, SVGA graphics display/adaptor, sound card, CD ROM drive, mouse, USB, Windows® XP.

Operating System

Windows® 2000 (with Service Pack 3, at least) or Windows® XP (preferably with the latest Service Pack), Internet Explorer 5 or higher, Microsoft®.NET Framework 2.0 (included on the ENV CD-ROM).

Accessories

- ENV CD-ROM BZ-5298
- USB Cable AO-1476
- Hand-held Analyzer Type 2250

Installation Process

To install Utility Software for Hand-held Analyzers BZ-5503 on your PC and use it together with Hand-held Analyzer Type 2250, you need to:

a) Install BZ-5503 using the ENV CD-ROM.

Note: You need to have administrator rights to install BZ-5503.

b) Install the driver for a USB connection between the PC and Hand-held Analyzer Type 2250 (BZ-7222 software version 1.3, or later, installed).

c) Install the driver for a USB connection between the PC and Hand-held Analyzer Type 2250 (BZ-7222 software version 1.2, or earlier, installed).

Note: You need to have administrator rights to connect to Type 2250 with earlier software installed.

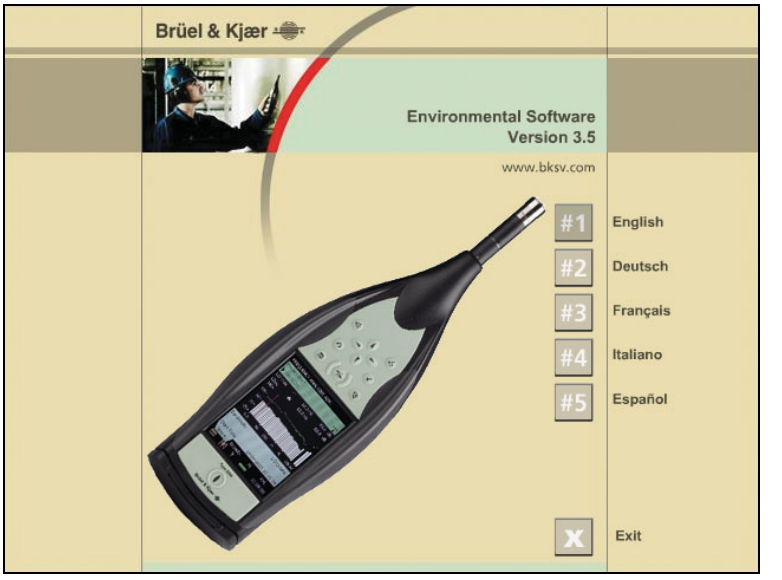
d) Upgrade of Type 2250 software – if required.

a) Install BZ-5503

1) Insert the ENV CD-ROM.

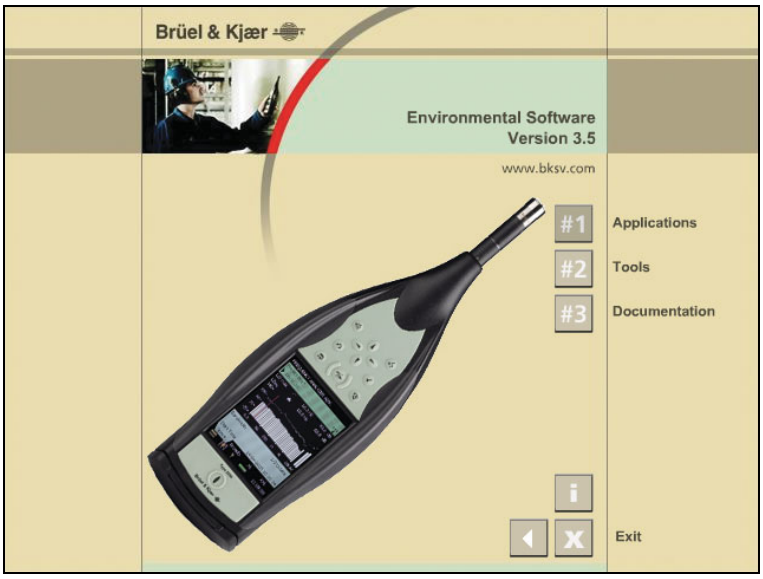
The Start screen (Fig.1.1) should automatically appear – if not, then run the program 'Setup.exe' on the CD-ROM.

Fig.1.1
Start Screen (Language)



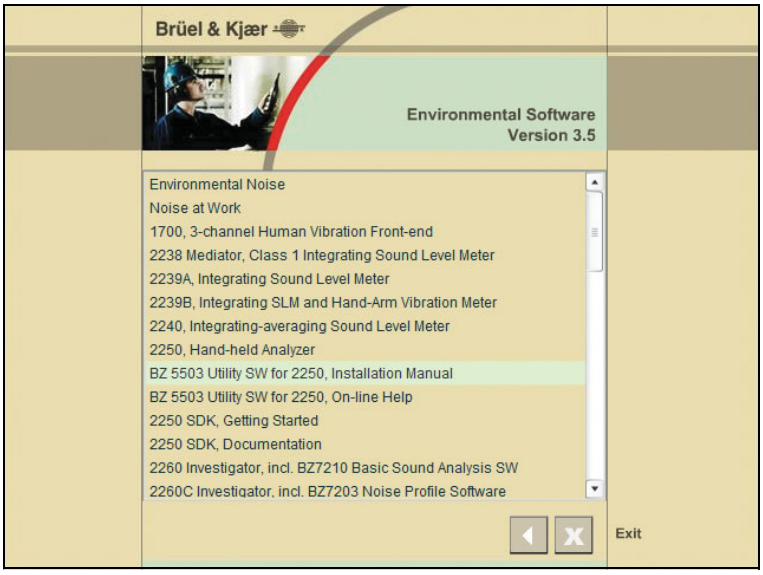
2) Select your language and the Main Selection screen will appear:

Fig. 1.2
Main Selection Screen



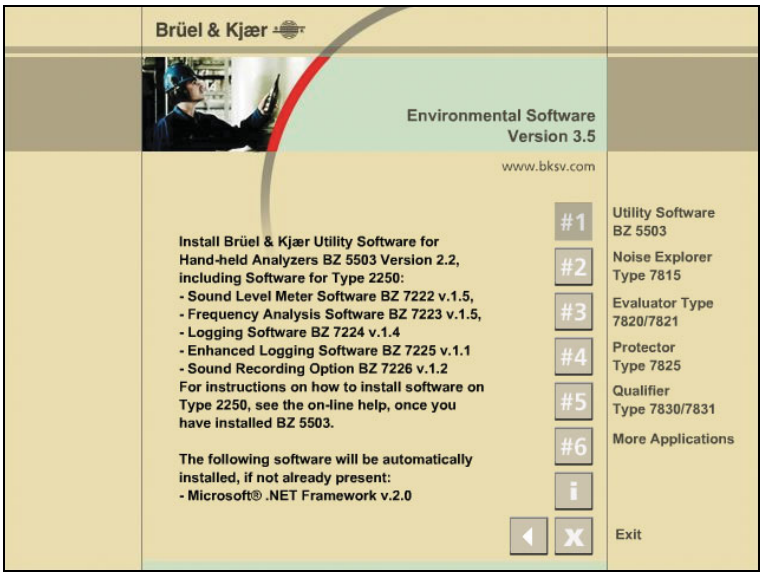
3) Select *#3 Documentation* if, at any time, you want to view or print-out the 'pdf' version of this manual, simply select it in the list of documentation that appears, see Fig. 1.3.

Fig. 1.3
Example of Documentation Screen


Brüel & Kjær
Environmental Software
Version 3.5
Environmental Noise
Noise at Work
1700, 3-channel Human Vibration Front-end
2238 Mediator, Class 1 Integrating Sound Level Meter
2239A, Integrating Sound Level Meter
2239B, Integrating SLM and Hand-Arm Vibration Meter
2240, Integrating-averaging Sound Level Meter
2250, Hand-held Analyzer
BZ 5503 Utility SW for 2250, Installation Manual
BZ 5503 Utility SW for 2250, On-line Help
2250 SDK, Getting Started
2250 SDK, Documentation
2260 Investigator, incl. BZ7210 Basic Sound Analysis SW
2260C Investigator, incl. BZ7203 Noise Profile Software
Exit

4) Otherwise select *#1 Applications*. The following software selection screen appears:

Fig.1.4
Software Selection Screen



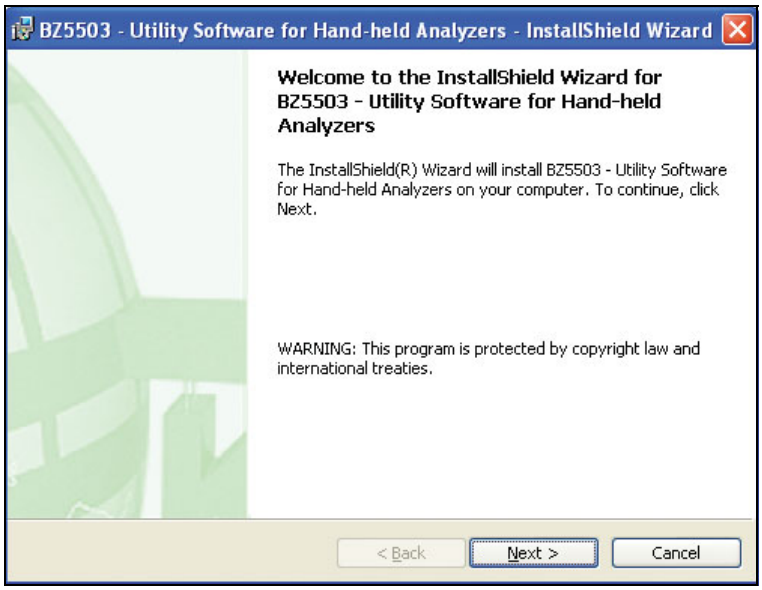
5) Select *#1 Utility Software BZ-5503* to start the install wizard.

The install wizard automatically installs Windows® .NET Framework version 2.0. You might be asked to restart your PC.

Note: If you attempt to install BZ-5503 on a PC running Windows® 2000 (Service Pack 2 or earlier) you will be asked to install Service Pack 3 or later, before you can proceed with the installation. Service Packs for Windows® 2000 can be downloaded from http://www.microsoft.com/downloads.

The screen in Fig.1.5 appears.

Fig.1.5
Install wizard – initial screen


BZ5503 - Utility Software for Hand-held Analyzers - InstallShield Wizard
Welcome to the InstallShield Wizard for BZ5503 - Utility Software for Hand-held Analyzers
The InstallShield(R) Wizard will install BZ5503 - Utility Software for Hand-held Analyzers on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

6) Click **Next** to select the Start up folder, then click **Next** to select the folder where you want the BZ-5503 software to be installed, click **Next** and finally click **Install** to start the installation process. If a previous version of BZ-5503 is installed, it will be updated.

   This might take several minutes. Click **Finish** when done.

   Note 1: PULSE™ is no longer required to run BZ-5503, so if a version of PULSE™ is installed on the PC, and it is no longer required, you can manually uninstall it.

   Note 2: Please remember, if you have Type 7815 Explorer, Type 7820 Evaluator or Type 7825 Protector software installed, you may need to update the version you have after installing Utility Software for Hand-held Analyzers BZ-5503. You can do this from ENV CD-ROM BZ-5298.

7) If the Installer returns to the installation overview screen, click *Exit* to terminate the installation program.

8) Remove the ENV CD-ROM from the disk drive.

b) Install Driver for USB Connection

Important: Install Utility Software for Hand-held Analyzers BZ-5503 on your PC before connecting Type 2250 to the PC (steps 1 to 8 of previous section).

Note: If your Type 2250 has BZ-7222 software version 1.2 (or earlier) installed, please refer to “Install USB Driver for Type 2250 with Earlier Software” on page 7. (To check which version of software you have installed on your Type 2250, see the *About* screen in the built-in help).

1) Switch on Hand-held Analyzer Type 2250 and connect it to mains power.

2) Connect USB Cable AO-1476 to Type 2250 and to the PC.

On Windows® 2000

1) A pop-up screen appears with the message: “Found New Hardware: Hand-held Analyzer Type 2250” while the driver automatically installs.

2) Utility Software for Hand-held Analyzers BZ-5503 and the USB driver for the connection to Type 2250 have now been installed. You can start the program using the shortcut in the **Start**, **Programs**, **Brüel & Kjær Applications** menu.

On Windows® XP

1) Windows® recognises new hardware and wants to install the drivers. If you have Windows® XP, Service Pack 2 installed, the screen in Fig. 2.1 will appear first.

Fig. 2.1
Found new hardware wizard for Windows® XP, Service Pack 2 – first screen

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

2) Select *No, not this time* on the Found New Hardware Wizard (Fig. 2.1) and then **Next** to continue.

Fig. 2.2
Found new hardware wizard for Windows® XP – initial screen

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Hand-held Analyzer - Type 2250
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

3) Select *Install the software automatically* on the Found New Hardware Wizard and then **Next** to continue. Click **Finish** when finished.

4) Utility Software for Hand-held Analyzers BZ-5503 and the USB driver for the connection to Type 2250 have now been installed. You can start the program using the shortcut in the **Start**, **Programs**, **Brüel & Kjær Applications** menu.

Note: You need to follow the steps for installing a USB driver each time you use a different USB connector.

c) Install USB Driver for Type 2250 with Earlier Software

Important: Install Utility Software for Hand-held Analyzers BZ-5503 on your PC before connecting Type 2250 to the PC (steps 1 to 8 of "Install BZ-5503" on page 2).

Note: Use this procedure if your Type 2250 has BZ-7222 software version 1.2 (or earlier) installed. (To check which version of software you have installed on your Type 2250, see the *About* screen in the built-in help).

1) Switch on Hand-held Analyzer Type 2250 and connect it to mains power.

2) Connect USB Cable AO-1476 to Type 2250 and to the PC.

On Windows® 2000

3) The welcome screen shown in Fig. 3.1 appears.

Fig.3.1
Welcome screen

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

Click **Next** to continue.

4) The *Install Hardware Device Drivers* screen (Fig.3.2) appears.

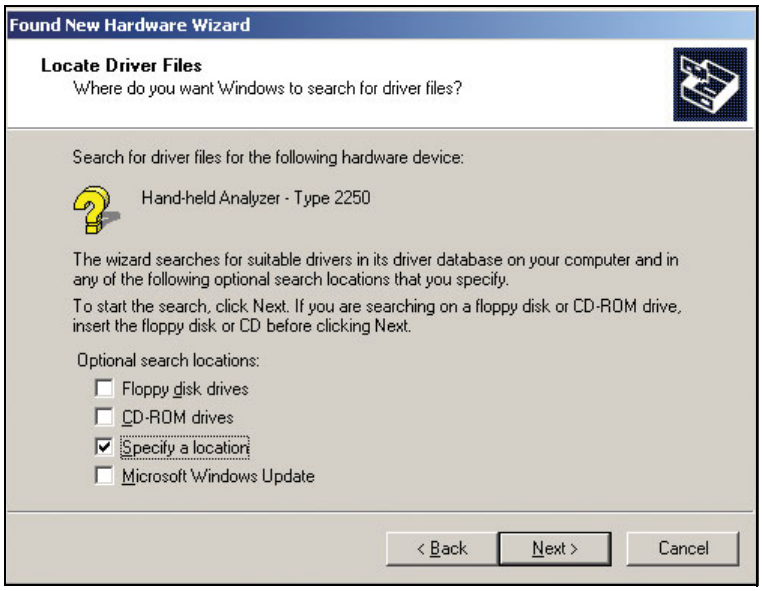
Fig.3.2
Install Hardware Device Drivers screen

Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Hand-held Analyzer - Type 2250
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

Select the *Search for a suitable driver for my device (recommended)* radio button.

5) The *Locate Driver Files* screen (Fig.3.3) appears.

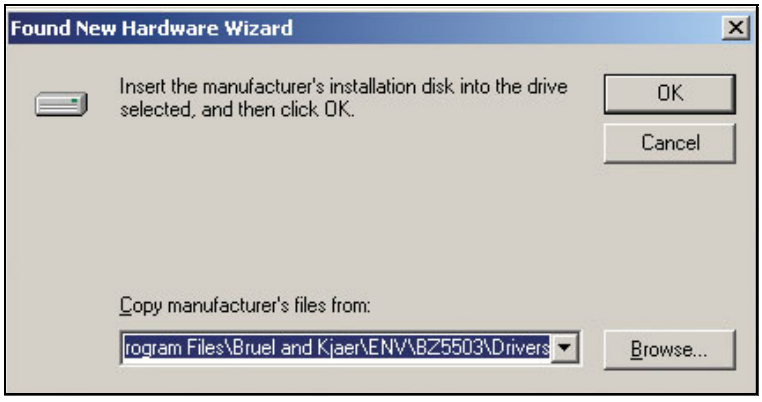
Fig.3.3
Locate Driver Files screen


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Hand-held Analyzer - Type 2250
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

Check the *Specify a location* checkbox only.

6) The screen shown in Fig.3.4 appears.

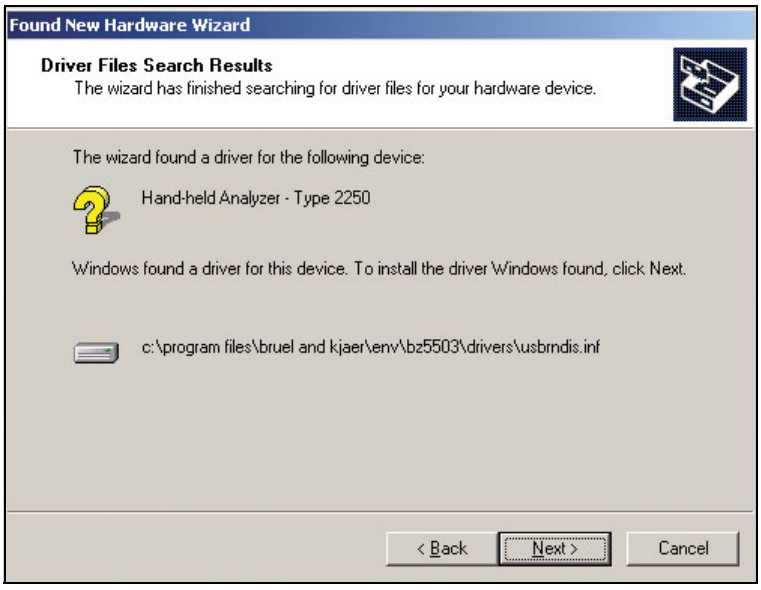
Fig.3.4
Location of Driver Files screen


Found New Hardware Wizard
Insert the manufacturer's installation disk into the drive selected, and then click OK.
OK
Cancel
Copy manufacturer's files from:
rogram Files\Bruel and Kjaer\ENV\BZ5503\Drivers
Browse...

Select the location of the driver files on your PC (the default location is: *C:\Program Files\Bruel and Kjaer\ENV\BZ5503\Drivers*) and click **OK**. If your driver files are stored on a different drive, select the correct location from the drop-down list, or **Browse** to find them.

7) The *Driver Files Search Results* screen (Fig.3.5) appears.

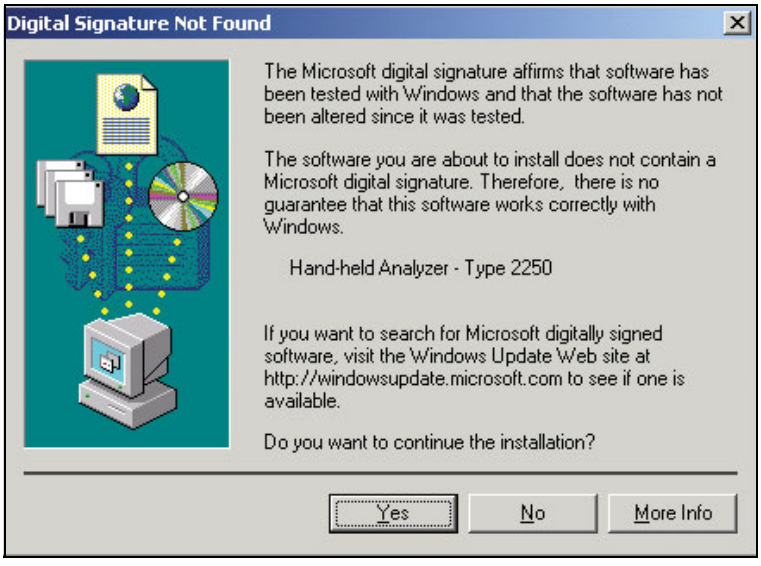
Fig.3.5
Driver Files Search Results screen


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Hand-held Analyzer - Type 2250
Windows found a driver for this device. To install the driver Windows found, click Next.
c:\program files\bruel and kjaer\env\bz5503\drivers\usbrndis.inf
< Back
Next >
Cancel

Click **Next** to continue.

8) The *Digital Signature Not Found* screen (Fig.3.6) appears.

Fig.3.6
Digital signature screen


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Hand-held Analyzer - Type 2250
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Windows® recognises new hardware and cannot find a digital signature. Click **Yes** on the *Digital Signature Not Found* screen, then click **Finish** on the *InstallShield Wizard Completed* screen to complete the installation.

On Windows® XP

3) Windows® recognises new hardware and wants to install the drivers. If you have Windows® XP, Service Pack 2 installed, the screen in Fig. 3.7 will appear first.

Fig. 3.7
Found new hardware wizard for Windows® XP, Service Pack 2 – first screen

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

Select the *No, not this time* radio button, then click **Next** to continue.

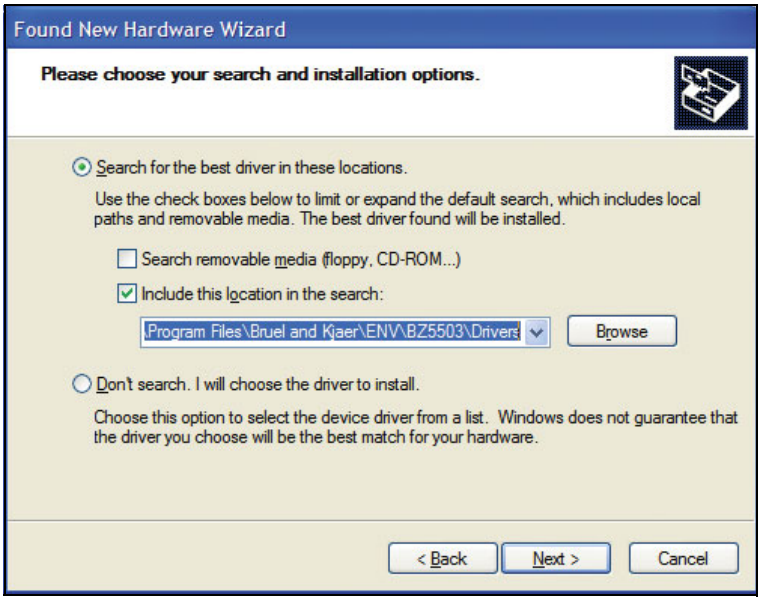
4) The screen in Fig. 3.8 appears.

Fig.3.8
Found new hardware wizard – initial screen

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Hand-held Analyzer - Type 2250
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

5) Select *Install from a list or specific location (Advanced)* on the Found New Hardware Wizard and then **Next** to continue (Fig.3.9).

Fig.3.9
Found new hardware wizard – second screen


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
Program Files\Bruel and Kjaer\ENV\BZ5503\Drivers
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

The driver files have already been copied to the hard disk by the software installation program. Check *Include this location in the search* and select the location by clicking in the drop-down list, or **Browse**. Click **Next** on the Found New Hardware Wizard to continue.

6) The screen in Fig. 3.10 appears.

Fig. 3.10
Hardware installation screen

Hardware Installation
The software you are installing for this hardware:
Hand-held Analyzer - Type 2250
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Click **Continue Anyway** as the drivers must be installed. Click **Finish** when finished. The installation is now complete.

7) Utility Software for Hand-held Analyzers BZ-5503 and the USB driver for the connection to Type 2250 have now been installed. You can start the program using the shortcut in the **Start**, **Programs**, **Brüel & Kjær Applications** menu.

Note 1: You need to follow the steps for installing a USB driver each time you connect a Type 2250 to the PC for the first time.

Note 2: You need administrator rights for connecting BZ-5503 to Type 2250 with old software.

d) Upgrade of Type 2250 Software

The latest software pack for your Type 2250 has been installed together with BZ-5503. Please consult BZ-5503 on-line help for installation of further software on your Type 2250.

HEADQUARTERS: DK-2850 Nærum · Denmark · Telephone: +45 4580 0500 · Fax: +45 4580 1405 · www.bksv.com · info@bksv.com

Australia (+61) 2 9889-8888 · Austria (+43) 1 865 74 00 · Brazil (+55) 11 5188-8161 · Canada (+1) 514 695-8225
China (+86) 10 680 29906 · Czech Republic (+420) 2 6702 1100 · Finland (+358) 9-521 300 · France (+33) 1 69 90 71 00
Germany (+49) 421 17 87 0 · Hong Kong (+852) 2548 7486 · Hungary (+36) 1 215 83 05 · Ireland (+353) 1 807 4083
Italy (+39) 0257 68061 · Japan (+81) 3 5715 1612 · Netherlands (+31) 318 55 9290 · Norway (+47) 66 77 11 55
Poland (+48) 22 816 75 56 · Portugal (+351) 21 41 69 040 · Republic of Korea (+82) 2 3473 0605 · Singapore (+65) 6377 4512
Slovak Republic (+421) 2 5 443 0701 · Spain (+34) 91 659 0820 · Sweden (+46) 33 225 622 · Switzerland (+41) 44 880 7035
Taiwan (+886) 2 2502 7255 · United Kingdom (+44) 14 38 739 000 · USA (+1) 800 332 2040

Local representatives and service organisations worldwide